

What is claimed is:

1 1. A fabrication method of a liquid crystal display panel,
2 comprising the steps of:

3 forming a seal member on at least one of a pair of
4 opposing transparent substrates such that said seal member
5 surrounds a display area of said liquid crystal display
6 panel;

7 arranging first spacers on said display area on said
8 substrate, said first spacer having an initial size in a
9 cell gap direction larger than an appropriate cell gap
10 necessary to perform an appropriate liquid crystal display;

11 dropping liquid crystal onto an area surrounded by
12 said seal member on one of said transparent substrates;

13 forming a panel by sticking one of said transparent
14 substrates on the other with said seal member in a vacuum
15 chamber;

16 putting said panel under atmospheric pressure to
17 deform said first spacers through a deformation of said
18 panel; and

19 hardening said seal member after an inner volume of
20 said panel becomes equal to a volume of said liquid crystal.

1 2. A fabrication method of a liquid crystal display panel,
2 as claimed in claim 1, wherein said first spacer is
3 elastically deformable from an initial size thereof to a
4 size corresponding to said appropriate cell gap.

1 3. A fabrication method of a liquid crystal display panel,
2 as claimed in claim 1, wherein said seal member contains
3 second spacers mixed therein, said second spacer being
4 formed of a material, which is hardly deformed when it is
5 pinched between said transparent substrates under
6 atmospheric pressure.

1 4. A fabrication method of a liquid crystal display panel,
2 as claimed in claim 1, wherein said first spacer is
3 deformed to the size corresponding to said appropriate cell
4 gap.

1 5. A fabrication method of a liquid crystal display panel,
2 as claimed in claim 1, wherein a relative value of an
3 initial average size of said first spacers to said
4 appropriate cell gap is within a range from a value larger
5 than 102.9 % to a value smaller than 107.0 %.

1 6. A fabrication method of a liquid crystal display panel,
2 as claimed in claim 5, wherein the relative value is $(105 \pm$
3 $2) \%$.